

Title (en)  
SWITCHING POWER SUPPLY WITH A PROGRESSIVE START

Publication  
**EP 0331592 B1 19921223 (FR)**

Application  
**EP 89420076 A 19890228**

Priority  
FR 8803079 A 19880304

Abstract (en)  
[origin: EP0331592A1] The invention relates to the field of switchable power supplies controlled with modulated width pulses obtained by comparison between a saw tooth voltage (15) oscillating between first and second levels, and a control voltage (19), in which the control voltage is initially fixed at a value outside the range of oscillation of the saw tooth, and then, in a first phase varies to the first level (idling time) and in a second phase varies from the first to the second level to produce gradually increasing width control pulses. The invention provides means (45, 50) for ensuring the variation of the control voltage during the first phase in accordance with a first slope, then the variation of this control voltage during the second phase in accordance with a second slope which is smaller than the first, and means (60) for ensuring slope switching following detection of the first control pulse. <IMAGE>

IPC 1-7  
**H02M 3/335; H04N 3/185**

IPC 8 full level  
**H02M 3/28** (2006.01); **H02M 1/00** (2007.01); **H02M 1/36** (2007.01); **H04N 3/185** (2006.01)

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